

# Manpack Wideband High-Power Antenna

500 – 6000 MHz

Product Code: OMNI-A0265-01

VERSION: 1.2



## SPECIFICATIONS:

<b>Electrical:</b>	
Frequency range	500 – 6000 MHz
Gain	0 dBi typical (in band)
Azimuth pattern	Omni, 3 dB ripple
Elevation pattern	Narrow beam
Polarisation	Vertical
Nominal impedance	50 $\Omega$
VSWR	< 2:1 or better
Power handling:	See graph below
Connector	7/16-type male at base
Groundplane requirements	Groundplane independent
<b>Mechanical:</b>	
Dimensions (l x d)	527 mm x 83 mm
Total mass	< 1kg
Mounting	On 7/16-type connector at base
Colour	Black, others on request
<b>Environmental: designed to meet the following specifications</b>	
Temperature range	Storage: -41 °C to +71 °C. Operation -31 °C to +55 °C
Weatherproofing	IP65 water resistant (when connector is properly fastened)
Exposed materials	Painted e-glass Anodized aluminium E-coated steel

## PRODUCT FEATURES:

- Omni-directional wideband antenna
- Communications or signal interception
- Covers all handheld wireless bands

## PRODUCT OVERVIEW:

This wideband antenna is for interception of wireless communications. It is mounted on a 7/16 connector at the base of the antenna. The fiberglass tube contains the groundplane independent radiator

The array covers the GSM 900, PCS, UMTS/3G/LTE and Wi-Fi (both bands).

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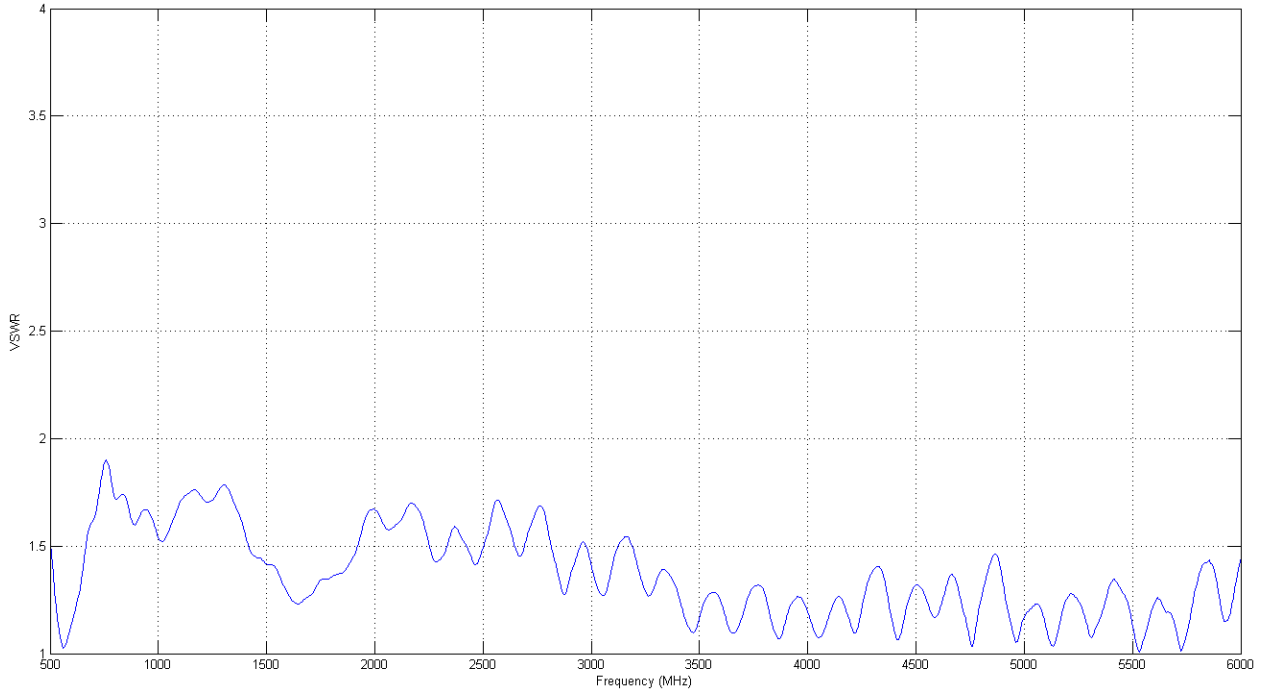
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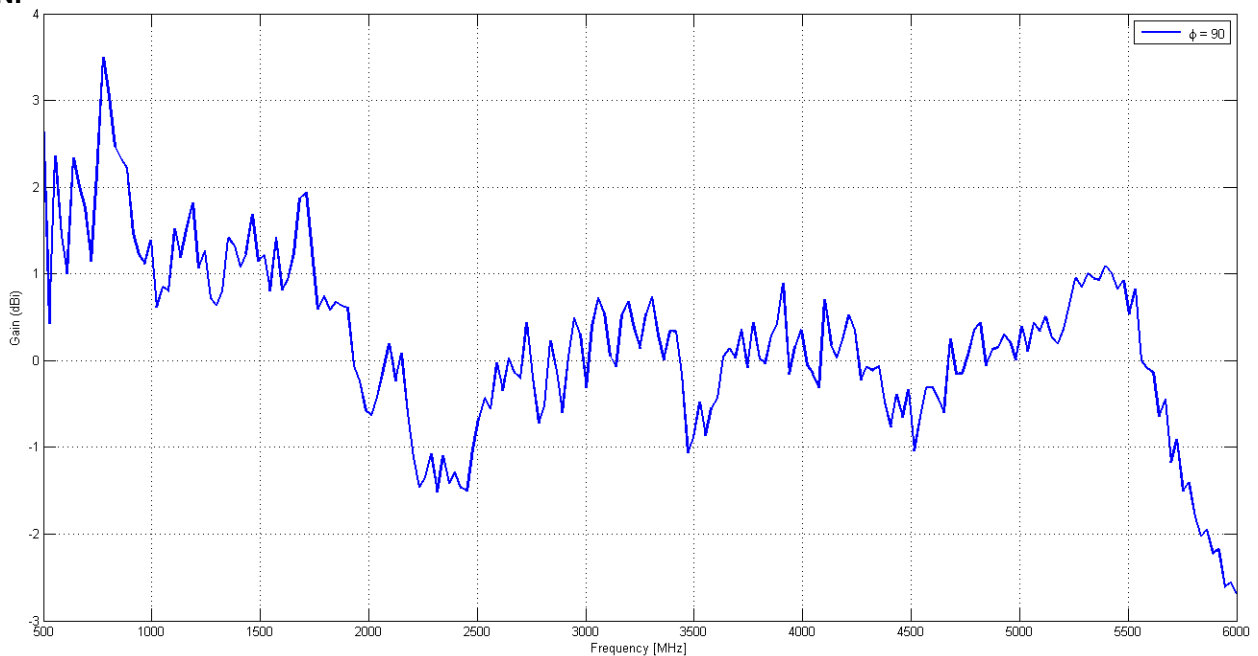
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Simulated VSWR and gain graphs:

Typical VSWR:



GAIN:



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Cyntony Corporation  
195 Follen Road  
Lexington, Massachusetts  
sales@cyntony.com  
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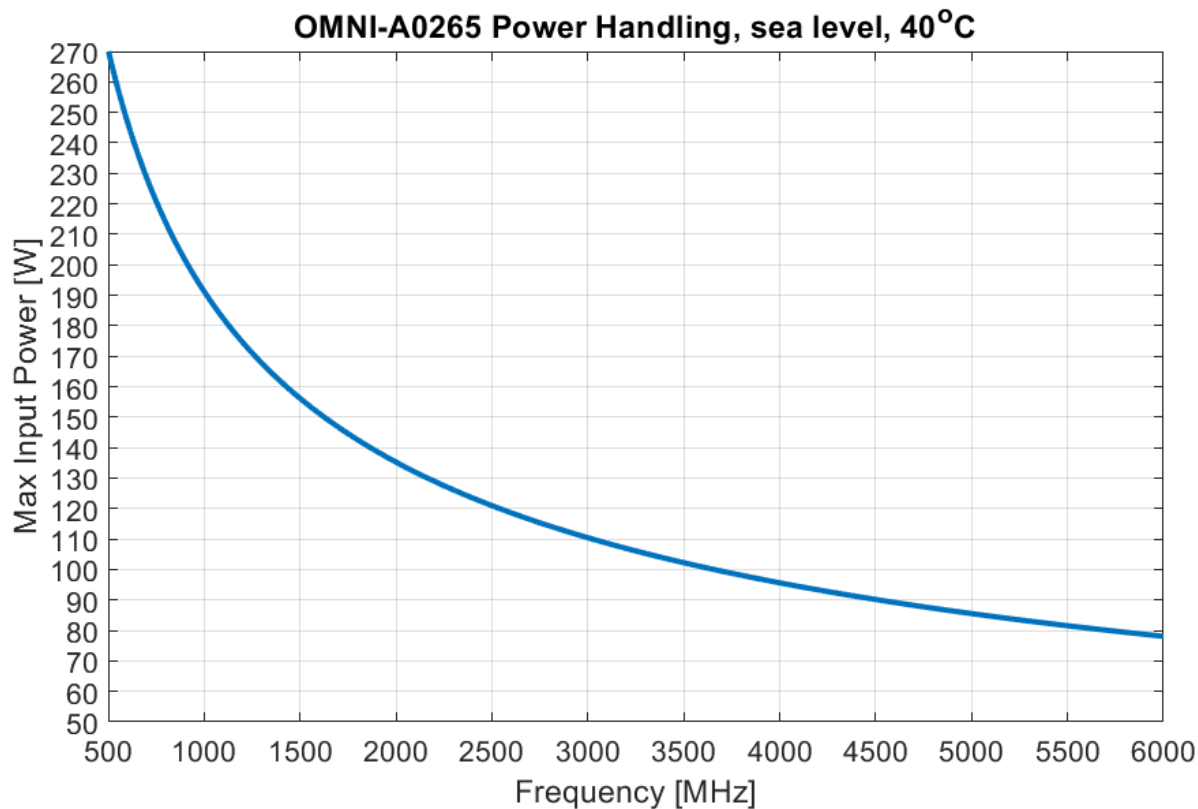
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## Power Handling:



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